PATENT ABSTRACTS OF JAPAN

(11) Publication number: 10330386 A

(43) Date of publication of application: 15.12.98

(51) Int. CI

C07F 7/18

(21) Application number: 09143794

(22) Date of filing: 02.06.97

(71) Applicant:

HOYA CORP

(72) Inventor:

isocyanatoalkoxysilane.

COPYRIGHT: (C)1998,JPO

KITAHARA YOSHITAKA

(54) ALKOXYSILANE COMPOUND CONTAINING ORGANOSILYL GROUP AND CARBAMATE BOND

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain the subject alkoxysilane comprising an alkoxysilane compound containing an organosilyl group and carbamate bond, having high solubility to polar solvents and useful as a water-repelling surface treating agent, a silane coupling agent, an inorganic-organic composite raw material, a compatibilizer, etc.

SOLUTION: This new alkoxysilane containing an organosilyl group and carbamate bond is represented by formula I {R₁ and R₂ are each a 1-4C alkyl; (a) is 0 or 1; X is a 1-6C alkylene; R₃ is a group represented by formula II [Y is a 1-8C alkylene, etc., in which carbon atom may be substituted with oxygen atom; R₄ to R₇ are each a 1-6C alkyl, phenyl or trimethylsiloxy; R₈ is a 1-6C alkyl, phenyl, trimethylsiloxy, etc.; (n) is an integer of 0-15] N-(2-trimethylsilylethyl)carbamoyloxypropyltriethoxysilan e]. The compound is useful as a water-repelling surface treating agent, a silane coupling agent, a raw material

for organo-inorganic composite materials. The compound is obtained form trimethylsilyl alcohol and an

П